



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/697,259

10/31/2003

Takanobu Adachi

SHO-0029

9215

23353 7590 10/18/2007
RADER FISHMAN & GRAUER PLLC
LION BUILDING
1233 20TH STREET N.W., SUITE 501
WASHINGTON, DC 20036

EXAMINER

MOSSER, ROBERT E

ART UNIT

PAPER NUMBER

3714

MAIL DATE

DELIVERY MODE

10/18/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/697,259

Applicant(s)

ADACHI ET AL.

Examiner

Robert Mosser

Art Unit

3714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Interpretation

APPARATUS CLAIMS MUST BE STRUCTURALLY DISTINGUISHABLE FROM THE PRIOR ART

While features of an apparatus may be recited either structurally or functionally, claims directed to an **apparatus must be distinguished from the prior art in terms of structure rather than function**. A claim containing a "recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus" if the prior art apparatus teaches all the structural limitations of the claim. (See *Ex parte Masham*, 2 USPQ2d 1647 (Bd. Pat. App. & Inter. 1987), *In re Schreiber*, 128 F.3d 1473, 1477-78, 44 USPQ2d 1429, 1431-32 (Fed. Cir. 1997), *In re Swinehart*, 439 F.2d 210, 212-13, 169 USPQ 226, 228-29 (CCPA 1971), *In re Dally*, 263 F.2d 844, 847, 120 USPQ 528, 531 (CCPA 1959), and MPEP 2114).

The instant case is replete with apparatus claims containing portions directed to the particular operation of the claimed apparatus rather than the physical structure of the apparatus. For instance claim 1 refers to the manipulation of a display object shown on the physical displays of the gaming device but this feature fails to further define the apparatus as the remainder of the claim establishes. If the Applicant intends for these limitations to be considered as possible distinguishing features of their claimed invention they must be appropriately presented within the confines of a method type claims. For

Art Unit: 3714

the purposes of this action these limitations have been correlated to the prior art of record for the purposes of further prosecution.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims **1-12** and **19-28** are rejected under 35 U.S.C. 102(e) as being anticipated by Muir et al (US 2005/0192090).

Claim 1: Muir teaches a gaming device including: a game start instruction means (Paragraph 45-46); a internal winning combination determination means for recognizing a winning outcome resultant of a game start instruction (Paragraph 45-49, Figure 9); a multilayer display (Figure 8); a reel outcome display feature enabled through the multilayer display (Paragraph 41); and a display controller for controlling the display of the multilayer display components (Paragraph 45-49, Figure 9);

The multilayer display further includes a reel display layer (Elements 16, 18), a LCD layer (Element 50) and a shutter mechanism located between the LCD and the reel display layers to selectively allowing the transmission of the reel symbols through the display structure (Element 76 Paragraph 61-65).

Art Unit: 3714

Though Muir does not explicitly address the transference of a game symbol from the reel display element to the LCD display element of the multi-layer display, Muir does however implicitly address this feature through teaching utilization of the LCD element to enable zooming of the mechanical display element (Paragraph 53, Figures 3-5).

Means plus function language imbues defined structures and structural equivalents capable of performing the disclosure functionality. In at least claims 1 through 12 and 19 through 28, the described equivalent structure is interpreted to be the multi-layer display of Muir as shown in at least figure 8 of Muir. The particular utilization of the display for moving symbols between the layers of the multi-layer display, the conducting of displays associated with game conditions, and the selective orientation of images are considered intended use limitations

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.

Art Unit: 3714

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims **13-18** are rejected under 35 U.S.C. 103(a) as being unpatentable over Muir et al (US 2005/0192090).

Claim 1: Muir teaches a gaming device as taught above including a method as shown in at least figure 8, and including instructing the start of a game, generating a reel outcome, providing a beneficial state to the player based on the game result. In addition to the above Muir teaches modifying reel symbols through the use of the overlaying LCD display to provide zooming and the incorporation of a variable shutter to selectively and variable block the transmittance of the reel images as cited above. Muir however is silent regarding the specific method steps of transitioning an image from the mechanical reels to the LCD display, the rotation of the presented image. This method steps are understood to relate to the particular use of known technological elements to provide to provide predictable modifications of a design nature. Further the Applicant has not presented that the method in question provides an unexpected result, used to solve a known problem, or obtain an unknown benefit. According the specific method steps of transitioning an image from the mechanical reels to the LCD display, the rotation of the presented image is understood to be matters of design choice. It would have been obvious to one of ordinary skill in the art at the time of invention to have modified the teachings of Muir to include method steps of transitioning an image from the mechanical reels to the LCD display and the rotation of the presented image because such an alteration would have been a mere design consideration.

Response to Arguments

Applicant's arguments with respect to claim 1-28 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Mosser whose telephone number is (571)-272-4451. The examiner can normally be reached on 8:30-4:30 Monday-Thursday.

Art Unit: 3714

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pezzuto can be reached on (571) 272-6996. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 8th, 2007
RM


ROBERT E. PEZZUTO
SUPERVISORY PRIMARY EXAMINER